



APC JAN 85

Sketcher

by P Leon

"Sketcher" was written for the unexpanded VZ-200. It allows you to draw in 4 colours; rubout, clear the screen, and get a hard copy of your artwork (if you have a

suitable printer attached). There are instructions in the program. The program was written to use joysticks but if you do not have any or would like to use

the keyboard, the changes you will need are at the end of the program listing. These are the keys you would use if you use the keyboard.

100 REM *****	RUBOUT	DRAW
110 REM * SKETCHER *	W	U
120 REM *BY PAUL LEON*	A S	H J
130 REM *AUGUST 1984*	Z	N
140 REM *****		
200 REM		
220 GOTO 1000		
300 MODE(1):X=64:Y=32:COLOR2,0		
305 A=127:B=63		
310 RESET(X,Y)		
320 K\$=INKEY\$:I\$=INKEY\$		
330 IZ=VAL(I\$)		
340 IF IZ>0ANDIZ<5THEN COLORIZ		
345 GOSUB 3000		
350 AX=INP(46)AND31		
360 IF AX<>31:GOTO		
370 FORZ=1TO40:NEXT:SET(X,Y):FORZ=1TO40:		


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NEXT:GOTO310
400 IFAZ=30ANDY>0,Y=Y-1 'UP
410 IFAZ=29ANDY<B,Y=Y+1 'DOWN
420 IFAZ=27ANDX>0,X=X-1 'LEFT
430 IFAZ=23ANDX<A,X=X+1 'RIGHT
440 IFAZ=14ANDY>0,SET(X,Y):Y=Y-1
450 IFAZ=13ANDY<B,SET(X,Y):Y=Y+1
460 IFAZ=11ANDX>0,SET(X,Y):X=X-1
470 IFAZ=7ANDX<A,SET(X,Y):X=X+1
480 IFAZ=7ANDX<A,SET(X,Y):X=X+1
500 GOTO 310

1000 REM *** INSTRUCTIONS ***
1030 CLS
1060 PRINT@165,"INSTRUCTIONS (Y/N)"
1070 K$=INKEY$:A$=INKEY$
1080 IFA$="N",300ELSEIFA$="Y",1100
1090 GOTO 1070
1100 CLS.PRINT@6,"*** INSTRUCTIONS ***"
1110 PRINT@65,"USE THE RIGHT JOYSTICK"
1120 PRINT@129,"TO DRAW HOLD THE FIRE BU
TTON"
1130 PRINT@161,"DOWN AND PUSH THE JOYSTI
CK IN"
1140 PRINT@193,"THE REQUIRED DIRECTION."
1150 PRINT@257,"TO MOVE WITHOUT DRAWING
OR TO"
1160 PRINT@289,"RUBOUT, JUST PUSH THE JO
YSTICK"
1170 PRINT@321,"IN THE REQUIRED DIRECTIO
N."

1180 GOSUB 2000
1190 CLS:PRINT@8,"*** COMMANDS ***"
1200 PRINT@65,"C - CLEARS SCREEN AND PLA
CES"
1210 PRINT@101,"CURSOR IN THE CENTRE."
1220 PRINT@161,"E - WILL END THIS PROGRA
M."
1230 PRINT@225,"P - WILL PRODUCE A COPY
OF"
1240 PRINT@261,"THE SCREEN IF A SUITABLE
"
1250 PRINT@293,"PRINTER IS ATTACHED."
1260 PRINT@325,"E.G. SEIKOSHA GP-100/A"
1270 GOSUB 2000

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PROGRAMS

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1280 CLS:PRINT@8,"*** COLOURS ***"  
1290 PRINT@65,"TO CHANGE COLOUR WHILE DR  
AWING"  
1300 PRINT@97,"JUST PRESS 1, 2, 3, OR 4."  
"  
1310 PRINT@193,"1 = GREEN":PRINT@209,"2  
= YELLOW"  
1320 PRINT@225,"3 = BLUE":PRINT@241,"4 =  
RED"  
1330 PRINT@321,"NOTE: COLOUR 1 (GREEN) I  
S THE"  
1340 PRINT@353,"SAME AS THE BACKGROUND C  
OLOUR."  
1380 GOSUB 2000  
1390 GOTO 1000  
2000 PRINT@449,"PRESS <C> TO CONTINUE"  
2010 K$=INKEY$:A$=INKEY$  
2020 IFA$<>"C",2010  
2030 RETURN  
3000 K$=INKEY$  
3010 A$=INKEY$  
3020 IFA$="" RETURN  
3025 IF A$<>"P" AND A$<>"E" AND A$<>"C"  
RETURN  
  
3030 IFA$="P" COPY:RETURN  
3040 IFA$="E" END  
3050 IFA$="C" RUN300  
3060 RETURN
```

CHANGES NEEDED TO USE THE KEYBOARD

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350 A$=INKEY$:A$=INKEY$  
360 IFA$<>"",400  
  
400 IFA$="W"ANDY<0,Y=Y-1 'UP  
410 IFA$="Z"ANDY<B,Y=Y+1 'DOWN  
420 IFA$="A"ANDX>0,X=X-1 'LEFT  
430 IFA$="S"ANDX<A,X=X+1 'RIGHT  
440 IFA$="U"ANDY>0,SET(X,Y):Y=Y-1  
450 IFA$="N"ANDY<B,SET(X,Y):Y=Y+1  
460 IFA$="H"ANDX>0,SET(X,Y):X=X-1  
470 IFA$="J"ANDX<A,SET(X,Y):X=X+1
```